

ABSTRACT OF THE DISCLOSURE

An actuator includes a piston within a cylinder, the cylinder having a first fluid port in communication with an open side of the piston, and a second fluid port in communication with a shaft side of the piston. The piston travels in a first direction, toward the shaft side of the piston and in a second direction, toward the open side of the piston. The actuator includes a valve circuit configured to selectively couple the first fluid port with a high-pressure fluid source when piston travel in the first direction is desired, and with a low-pressure fluid source when piston travel in the second direction is desired. The valve circuit is further configured to couple the second fluid port to the high-pressure fluid source when piston travel is desired in the first or second direction, and to close the first and second fluid ports when no piston travel is desired.

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